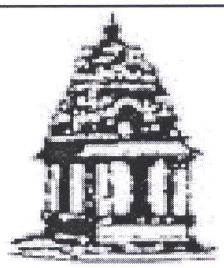

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Maintenance of Cremitorium, Burial Ground in Ward No. 05, Jakkur**

Estimated Cost : 5.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- **Maintenance of Cremitorium, Burial Ground in ward No. 05, Jakkur**

								Estimation Cost.Rs	**500000.00**
Sl No	**Description of work**		**Mesurement**				**Qty**	**Rate**	**Amount**
		Unit	**No.**	**L**	**B**	**D**			
1	KSRB 2-2.1:: Earthwork excavation for foundationof buildings, water supply and sanitary lines and electrical conduitsetc, either in pits or in trenches 1.5m and above in width, in soil notexceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.. No. KBS 2.1(b) / 2.3.5 (pg no.6, I/No2.4,)								
	Compound Wall	Cum	1	60.00	0.60	1.50	54.00		
	Footing For Gate Columns	Cum	2	1.00	1.00	1.50	3.00		
	Basic rate							229.00	
	Area weightage 8%							18.32	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**57.00**	**317.12**	**18075.84**
2	KSRB 4-1.2 : Providing and laying in position plain cement concreteof Mix 1:4:8 with OPC @ 220kgs, with 40mm and down size gradedgranite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers notexceeding 15 cms. thick, well compacted, in foundation, including costof all materials, labour, HOM curing complete as per specifications.Specification No. KBS 4.1, 4.2 (pg No.13.I.No.4.2)								
	Compound Wall	Cum	1	60.00	0.60	0.15	5.40		
	Footing For Gate Columns	Cum	2	1.00	1.00	0.15	0.30		
	Basic rate							5194.00	
	Area weightage 8%							415.52	
	Total						**5.70**	**5609.52**	**31974.26**
3	KSRB 5.2-3 : - Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25- I.No.5.6)								
	Compound Wall								
	First course	Cum	1	60.00	0.45	0.70	18.90		
	Second course	Cum	1	60.00	0.30	0.45	8.10		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**27.00**	**4963.68**	**134019.36**
4	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. No. KBS 4.6.2 (P.No.16 - I.No.4.31)								
	For plinth beam								
		Sqm	2	60.00		0.30	36.00		
	Basic rate							358	
	Area weightage 8%							28.64	
	Total						**36.00**	**386.64**	**13919.04**
5	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting,propping etc., and removal of form work for columns, pillars, postand struts, square / rectangular/ polygon in plan including cost of allmaterials, labour complete as per specifications.Specification No. KBS 4.6.2 (P.No.16 - I.No.4.32)								
	columns For Main Gate								
	Footing For Gate Columns	Cum	8	1.00		0.45	3.60		
	For columns	Sqm	8	0.30		3.45	8.28		
	Basic rate							456	
	Area weightage 8%							36.48	

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Total						**11.88**	**492.48**	**5850.66**
6	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters,columns, pillars,posts,struts,buttresses,bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.(P.No.14- I.No.4.10)								
	For plinth beam								
	Front side	Cum	1	60.00	0.30	0.30	5.40		
	columns For Main Gate								
	Footing For Gate Columns	Cum	2	1.00	1.00	0.45	0.90		
	For columns	Cum	2	0.30	0.30	3.45	0.62		
	Basic rate							5812	
	Area weightage 8%							464.96	
	Total						**6.92**	**6276.96**	**43442.84**
7	KSRB M2200-6 Providing T.M.T bars Fe 550 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200 (Pg No.229 Item No.28.8.3)								
		Cum					6.92		
		kg	Steel assumed 110Kg/Cum of Concrete				761.31		
		tonne					**0.76**		
	Basic rate							68812	
	Area weightage 8%							5504.96	
	Total						**0.76**	**74316.96**	**56578.24**
8	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm KBS No.5.4 (P.No-27,I No-5.26.1)								
	Front side	Sqm	1	60.00		1.80	108.00		
	Basic rate							**962.00**	
	Area weightage 8%							76.96	
	Total						**108.00**	**962.00**	**103896.00**
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P.No-45,I No-7.37)								
	Main Gate	Sqm	1	5.00		2.10	10.50		
	Basic rate							3012.00	
	Area weightage 8%							240.96	
	Total						**10.50**	**3252.96**	**34156.08**
13	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No-123,I No-15.74)								
	Main Gate	Sqm	2	5.00		2.10	21.00		
	Basic rate							95.00	

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
	Area weightage 8%							7.60	
	Total						**21.00**	**102.60**	**2154.60**
								Grand Total	**444066.93**
								GST Charges (12% of estimated cost)	**53,288.03**
								Miscellenious and rounding	**2645.04**
								Total Amount	**500000.00**
									RUPEES FIVE LAKHS ONLY

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಪಜಾಯನಪುರ ವಿಭಾಗ ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ ಬೆಂಗಳೂರು-560092.

ADMINISTRATIVE APPROVAL
Accorded For Rs. 5.00 lakhs only
Head of A/c. P3291
Div. Ref. No. 124 Date 16/3/2020
AE
EE(BTP) 16/03

TECHNICAL SANCTION
Accorded For Rs. 5.00 lakhs only
Head of A/c. P3291
Div. Ref. No. 91 Date 16/3/2020
AE
EE(BTP) 16/3